





PERSONAL INFORMATION

Ožbolt Menegatti

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 www.ozbo.lt
Gender Male | Nationality Slovenian



WORK EXPERIENCE

October 2018 – now

Software development and maintenance

Center za jezikovne vire in tehnologije
University of Ljubljana, Slovenia

- Helped in development of cloud dictionary creating and editing tool *Lexonomy.eu*.
- Developing tools for manipulating large amounts of data in XML TEI and CoNLL-U formats.
- Server administration.
- Porting and fixing of Windows applications for Linux.

December 2018

Multimedia center for music school

Glasbena šola Idrija
Prelovčeva 9, 5280 Idrija, Slovenia

- Developed an application for viewing PDF slide shows, playing of music and live concert viewing on TV screen.
- Management using HTTP web server based on Flask library.
- Hardware designed around Raspberry Pi platform.
- Live streaming of video and audio using FFmpeg and VLC.

August 2015 – September 2018

Software Engineer

Guardiaris d.o.o.
Podjunska ulica 13, 1000 Ljubljana (Slovenia)

- Maintenance and improvement of legacy C++/Qt3 air traffic radar view system Albatross for Slovenian's air traffic control (KZPS).
- Development of camera pose estimation system based on OpenCV and RaspberryPy.
- Work on human skeleton detection system using convolutional neural networks.
- Developed other support tools, such as an embedded neural network library, camera calibration application and C++ ASN1c wrapper.
- Assistance with the switch of version control systems from subversion to git.

February 2012 – January 2013

Teaching instructor

Go Instructions
Jadranska 27, 2000 Maribor (Slovenia)

Teaching instructor for high school and university students. Teaching mostly programming languages and other computer knowledge, but also electrical engineering, mathematics and physics.

EDUCATION AND TRAINING

2012 – 2014

Bachelor of Science in Computer Science

Faculty of Computer and Information Science, University of Ljubljana, Slovenia
completed with an average grade of 8.9/10

2015 – Master of Science in Computer Science

Faculty of Computer and Information Science, University of Ljubljana, Slovenia

completed 100 % of exams with an average grade of 9.0/10, on schedule to finish in 2019

PERSONAL SKILLS

Mother tongue Slovenian

Other languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
Common European Framework of Reference (CEF) level

Communication skills and competences

- team work: I have successfully worked in a team of programmers, electrical and mechanical engineers to deliver a finished product;
- teaching skills: I work with colleagues and students as an instructor and a mentor;
- organizational skills: enrolled in multiple sporting groups and events, mostly running and football,
- freelance programming: a self employed programmer since October 2018.

Programming skills

- dynamic languages: Python3, Octave/Matlab, Lua, Bash, also have experience in working with Javascript, CoffeeScript, Elm, Racket and Julia;
- static languages: C++, Rust, C, also have experience in working with Java, C#, D and Go;
- other domain specific languages: VHDL, SQL, Xpath, XSLT, XSD;
- computer vision library OpenCV, use of image processing, camera calibration and 3D reconstruction, pose estimation and marker recognition;
- machine learning using sklearn for different clustering, regression and classification algorithms and Pytorch for deep learning;
- Qt, PyQt, Fltk and Html/CSS for graphical interfaces;
- GNU, LLVM and Cargo build toolchains;
- Cython, Pypy and Pybind11 for Python performance improvements;
- STM32 arm embedded devices running FreeRTOS;
- RaspberryPy computing platform.

Other Technical skills

- finished 95% of Bachelor program in Electrical Engineering in University of Ljubljana,
- attended a Cryptography 1 class on coursera.org,
- extensive experience with Linux OS,
- Git and Mercurial version control systems,
- KiCAD electronics design software,
- Gimp (image editing), Kdenlive (video editing) and FFmpeg/VLC (video and audio capture, conversion, streaming),

Other skills Enjoy all sports particularly running, bicycling, swimming, football and basketball. My hobbies also include a guitar and a chess board.

Driving licence AM, B1, B, G